

PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

DIRECTORY OF SERVICES

January 1, 2015

The primary objective of the Public Health – Seattle & King County Laboratory is to assist in the prevention of disease spread. This is accomplished by identifying patients and environmental samples which carry organisms that are potentially harmful to the health of the residents of King County. One of the ways to achieve this objective is for the public health laboratory to make available certain services to health care providers.

**FEES AND BILLING**

The following fee and billing information only applies to services provided to non-Public Health – Seattle & King County health care providers.

A fee which covers the cost of providing service is imposed for all procedures. Fees are listed on pages 7 – 8 of this directory of services.

We are not authorized to bill individual patients. Statements will be sent each month to the health care providers who have submitted specimens. Health care providers can avoid billing by having their patient submit a check for payment of test at the time the specimen is submitted.

**SPECIMEN STORAGE AND TRANSPORTATION**

When submitting specimens to the public health laboratory, please complete a test order form and send with the specimen to the Public Health – Seattle & King County Laboratory located at Harborview Medical Center in the Basement of the West Clinic across the hall from the West Clinic Elevators. Specimens can also be dropped off at a health department specimen pickup station.

Refrigerate all specimens except gonorrhea cultures, chancroid cultures, and Quantiferon-TB specimens until they are delivered to the public health laboratory or to a health department specimen pickup station. Gonorrhea cultures are to be kept in a 35-37°C incubator with 3-10% CO<sub>2</sub> and increased humidity overnight before they are delivered to the public health laboratory or to a health department specimen pickup station.

Quantiferon-TB specimens are to be kept at room temperature and delivered to the public health laboratory within 16 hours of collection or incubated at 37°C for 16 to 24 hours, centrifuged, and stored in the refrigerator until they are delivered to the public health laboratory. Most supplies and containers are available from the public health laboratory.

The addresses of the health department specimen pickup stations and approximate specimen pickup times are listed on page 6 of this informational bulletin.

For further information, contact the public health laboratory at (206) 744-8950 or by FAX at (206) 744-8963, or go to [www.kingcounty.gov/health/lab](http://www.kingcounty.gov/health/lab).

## MICROBIOLOGY

Acid fast bacillus, smear	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container Performed: M – F, results next day
<i>Bordetella pertussis</i> NAAT	Specimen: Nasopharyngeal swab in CultureSwab (use polyester swab on wire shaft) Performed: M – F, results same day
<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> APTIMA	Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; rectal, throat, or vaginal swab in APTIMA vaginal swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M - F, results in 1 – 2 days
Cryptosporidium spp., <i>Cyclospora cayetanensis</i> , and <i>Isospora belli</i> by modified acid-fast stain	Specimen: Feces in EcoFix vial Performed: M – F, results next day
Culture, Acid fast bacillus. Includes DNA probe identification of isolates.	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container. Three specimens collected on successive days is recommended. Performed: M – F, smear results same day, culture results in 1 – 8 weeks
Culture, Gonorrhea	Specimen: Order kits from the laboratory, (206) 744-8950 Performed: M – F, results next day
Culture, <i>Haemophilus ducreyi</i>	Specimen: Order kits from the laboratory, (206) 744-8950 Performed: M – F, results in 2 – 9 days
Culture, Herpes simplex virus, shell vial	Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results next day
Culture, Respiratory virus, shell vial (adenovirus, influenza, parainfluenza, respiratory syncytial virus)	Specimen: Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results in 2 – 3 days
Culture, Stool (Salmonella, Shigella, Campylobacter, Shiga toxin producing <i>E. coli</i> such as <i>E. coli</i> O157:H7, <i>Yersinia enterocolitica</i> , <i>Vibrio parahaemolyticus</i> )	Specimen: Feces in Enteric Pathogen Transport vial Performed: M – F, results in 3 – 5 days
Culture, Virus (adenovirus, cytomegalovirus, enterovirus, herpes simplex, influenza, parainfluenza, respiratory syncytial, varicella zoster)	Specimen: Swab specimen in viral transport medium (use polyester swab on plastic or wire shaft) or urine, stool, cerebrospinal fluid, etc. in sterile screw-capped container Performed: M – F, results 1 – 14 days

<i>E. coli</i> Shiga toxin	Specimen: Feces in Enteric Pathogen Transport vial or overnight broth culture Performed: M - F, results next day
Group A streptococcus NAAT	Specimen: Throat swab in CultureSwab (use polyester swab on plastic shaft) Performed: M – F, results same day
Herpes simplex virus type 1 and type 2 PCR	Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: Th, results same day
Influenza A virus subtyping PCR	Specimen: Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M, results same day
Influenza virus antigen (influenza A, influenza B)	Specimen: Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results same day
M. tuberculosis complex and M. avium complex PCR	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container Performed: Sent to State Lab
<i>Neisseria gonorrhoeae</i> and <i>Chlamydia trachomatis</i> APTIMA	Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; rectal, throat, or vaginal swab in APTIMA vaginal swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M – F, results in 1 – 2 days
Ova and parasites examination	Specimen: Feces in EcoFix vial. Three specimens collected every other day is recommended. Performed: M – F, results same day
Pinworm examination	Specimen: Order kits with adhesive paddle from the laboratory, (206) 744-8950 Performed: M – F, results same day
<i>Trichomonas vaginalis</i> APTIMA	Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; vaginal swab in APTIMA vaginal swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: Sent to reference lab
<b>SEROLOGY</b>	
Hepatitis A antibody, IgM (IgM anti-HAV), EIA	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
Hepatitis A antibody (anti-HAV), EIA	Specimen: 1 mL serum (red top) Performed: T, F, results same day

Hepatitis B surface antigen (HBsAg), EIA. HBsAg confirmatory assay is also performed when EIA is repeatably reactive.	Specimen: 2 mL serum (red top) Performed: T, F, results same day
Hepatitis B surface antibody (anti-HBs), EIA	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Hepatitis B core antibody, IgM (IgM anti-HBc), EIA	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
Hepatitis B core antibody (anti-HBc), EIA	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Hepatitis C antibody (anti-HCV), EIA.	Specimen: 1 mL serum (red top) Performed: T, F, results same day
HCV RNA	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
Herpes simplex type 1 antibody (type-specific), IgG, EIA	Specimen: 1 mL serum (red top) Performed: M, Th, results same day
Herpes simplex type 2 antibody, (type-specific), IgG, EIA	Specimen: 1 mL serum (red top) Performed: M, Th, results same day
HIV-1/HIV-2 antibody, EIA. HIV-1/HIV-2 Multispot confirmation assay is also performed when EIA is repeatably reactive.	Specimen: 1 mL serum (red top) Performed: M – F, results next day
HIV-1/HIV-2 antibody confirmation, Multispot	Specimen: 1 mL serum (red top) Performed: Sent to state lab
HIV-1 RNA, pooled	Specimen: 1 mL HIV antibody negative serum Performed: Sent to reference lab
HIV-1 RNA, individual	Specimen: 1 mL HIV antibody negative serum Performed: Sent to reference lab
HSV antibody, Western blot	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
Measles antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Mumps antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Quantiferon-TB	Specimen: Whole blood in Quantiferon-TB collection tubes Performed: T, F, results same day
Rubella antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Syphilis, RPR, qualitative.	Specimen: 1 mL serum (red top) Performed: M – F, results same day

Syphilis, RPR, quantitative	Specimen: 1 mL serum (red top) Performed: M – F, results same day
Syphilis, treponemal antibody, confirmation, EIA	Specimen: 1 mL serum (red top) Performed: Sent to state lab
Syphilis, treponemal antibody, TP-PA	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Syphilis, treponemal antibody, FTA-ABS, CSF	Specimen: 1 mL cerebrospinal fluid Performed: W, results same day
Syphilis, VDRL, CSF, qualitative. Quantitative assay is also performed when qualitative assay is reactive.	Specimen: 1 mL cerebrospinal fluid Performed: M, Th, results same day
Varicella-zoster virus antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Zinc protoporphyrin/heme ratio	Specimen: 1 mL whole blood (lavender top) Performed: M – F, results same day

## ENVIRONMENTAL

Water, drinking, total coliforms and <i>E. coli</i>	Drinking water specimens will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.
Water, <i>E. coli</i>	Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.
Water, <i>Pseudomonas aeruginosa</i>	Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.

## TEST METHOD ABBREVIATIONS

EIA	= Enzyme Immunoassay
FTA-ABS	= Fluorescent Treponemal Antibody-Absorption
NAAT	= Nucleic Acid Amplification Test
PCR	= Polymerase Chain Reaction
RPR	= Rapid Plasma Reagin card test
TP-PA	= <i>Treponema pallidum</i> particle agglutination
VDRL	= Venereal Disease Research Laboratory slide test

# PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

## SPECIMEN PICKUP AND DELIVERY SCHEDULE

January 1, 2015

<u>DISTRICT</u>	<u>ADDRESS</u>	<u>APPROXIMATE PICKUP TIME</u>
<u>North</u>		
North Public Health Center	10501 Meridian Ave N, Seattle	9:20 a.m.
*Northwest Hospital (2 <sup>nd</sup> Floor, Lab)	1550 N 115 <sup>th</sup> Street, Seattle	9:10 a.m.
State Laboratory	1610 NE 150 <sup>th</sup> Street, Shoreline	9:45 a.m.
<u>Central</u>		
Downtown Public Health Center	2124 4 <sup>th</sup> Ave, Seattle	8:15 a.m.
Public Health Laboratory, (Harborview Medical Center, Room BWC03)	325 9 <sup>th</sup> Ave., Seattle	8:00 a.m.- 5:00 p.m.
<u>Southwest</u>		
Federal Way Public Health Center	33431 13 <sup>th</sup> PI S, Federal Way	10:40 a.m.
White Center Public Health Center	9942 8 <sup>th</sup> Ave SW, Seattle	9:45 a.m.
<u>Southeast</u>		
Auburn Public Health Center	901 Auburn Way N, Suite A, Auburn	11:10 a.m.
Columbia Health Center	4400 37 <sup>th</sup> Ave S, Seattle	2:15 p.m.
Group Health Laboratory	12400 E Marginal Way S, Tukwila	11:45 a.m.
Kent Public Health Center	25742 104 <sup>th</sup> Ave SE, Kent	12:30 p.m.
Renton Public Health Center	3201 NE 7 <sup>th</sup> St, Renton	11:10 a.m.
<u>East</u>		
Eastgate Public Health Center	14350 SE Eastgate Way, Bellevue	10:40 a.m.
Northshore Public Health Center	10808 NE 145 <sup>th</sup> St, Bothell	10:10 a.m.

\*Accessible 24 hours per day

## PUBLIC HEALTH – SEATTLE &amp; KING COUNTY LABORATORY

## FEES

January 1, 2015

## MICROBIOLOGY

FEES

Acid fast bacillus, smear	\$25.00
<i>Bordetella pertussis</i> NAAT	61.00
<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> APTIMA	30.00
Cryptosporidium, Cyclospora, and Isospora by modified acid-fast stain	25.00
Culture, Acid fast bacillus	85.00
Culture, Gonorrhea	37.00
Culture, <i>Haemophilus ducreyi</i>	37.00
Culture, Herpes simplex virus	55.00
Culture, Respiratory Virus	70.00
Culture, Stool	50.00
Culture, Virus	85.00
E. coli Shiga toxin	36.00
Group A streptococcus NAAT	49.00
Herpes simplex virus type 1 and type 2 PCR	84.00
Influenza A virus subtyping PCR	100.00
Influenza virus antigen	42.00
M. tuberculosis complex and M. avium complex PCR	18.00 (send-out charge)
<i>Neisseria gonorrhoeae</i> and <i>Chlamydia trachomatis</i> APTIMA	30.00
Ova and parasites examination	50.00
Pinworm examination	25.00
<i>Trichomonas vaginalis</i> APTIMA	53.00

## SEROLOGY

FEES

Hepatitis A antibody, IgM	43.00
Hepatitis A antibody	27.00
Hepatitis B surface antigen, EIA	27.00
Hepatitis B surface antigen confirmatory assay	47.00
Hepatitis B surface antibody	27.00
Hepatitis B core antibody, IgM	43.00
Hepatitis B core antibody	27.00
Hepatitis C antibody, EIA	33.00
HCV RNA	135.00
Herpes simplex type 1 antibody, IgG	32.00
Herpes simplex type 2 antibody, IgG	32.00
HIV-1/HIV-2 antibody, EIA	22.00
HIV-1/HIV-2 antibody, confirmation, Multispot	18.00 (send-out charge)
HIV-1 RNA, qualitative	21.00
HIV-1 RNA, quantitative	89.00
HSV antibody, Western blot	225.00
Measles antibody, IgG	28.00
Mumps antibody, IgG	28.00
Quantiferon-TB	50.00
Rubella antibody, IgG	28.00
Syphilis, RPR, qualitative	20.00
Syphilis, RPR, quantitative	27.00
Syphilis, treponemal antibody, confirmation, EIA	18.00 (send-out charge)

FEEES

Syphilis, treponemal antibody, TP-PA	27.00
Syphilis, treponemal antibody, FTA-ABS, CSF	65.00
Syphilis, VDRL, CSF qualitative	22.00
Syphilis, VDRL, CSF quantitative	26.00
Varicella-zoster virus antibody, IgG	28.00
Zinc protoporphyrin/heme ratio	22.00

## ENVIRONMENTAL

Water, drinking, for total coliforms and <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	25.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	25.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>P. aeruginosa</i> (purchase kits at public health laboratory or public health centers)	25.00